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SEQUENCE LISTING



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<120> NOVEL HEMATOPOIETIC REGULATORY FACTORS AND METHODS OF USE THEREOF

<130> 10716/25

<140> 09/640,636

<141> 2000-08-17

<150> 60/149,830

<151> 1999-08-19

<160> 6

<170> PatentIn version 3.0

<210> 1

<211> 912

<212> DNA

<213> HEMA1

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tcatttggga gacctgagaa caagagaata tttccctttc caattcggga gacctctaga      420
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catatacccc tttattgact gacaaactac tcagattgct taacattttg tgcttcaaag      780
tcttatccca ctccactatg ggctgttaca gagtgcattc cgggtgtagag caaggctcct      840
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<210> 2

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<212> PRT

<213> HEMA1

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                20              25              30

Ile Gln Glu His Ser Glu Phe Ile Pro Leu Lys Leu Ile Lys Asn Ile
35              40              45

Met Val Ile Phe Glu Thr Ile Tyr Cys Asn Arg Lys Glu Val Ile Ala

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50		55		60
Val Pro Lys Asn Gly Ser Met Ile Cys Leu Asp Pro Asp Ala Pro Trp				
65		70		75
				80
Val Lys Ala Thr Val Gly Pro Ile Thr Asn Arg Phe Leu Pro Glu Asp				
	85		90	95
Leu Lys Gln Lys Glu Phe Pro Pro Ala Met Lys Leu Leu Tyr Ser Val				
	100		105	110
Glu His Glu Lys Pro Leu Tyr Leu Ser Phe Gly Arg Pro Glu Asn Lys				
	115		120	125
Arg Ile Phe Pro Phe Pro Ile Arg Glu Thr Ser Arg His Phe Ala Asp				
	130		135	140
Leu Ala His Asn Ser Asp Arg Asn Phe Leu Arg Asp Ser Ser Glu Val				
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Ser Leu Thr Gly Ser Asp Ala				
	165			

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<212> DNA

<213> HEMA2

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aggttctccg tcagcataat gacaacttct accccagtgt gacatgggca gtgcctgtga	360
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tggtggccat gaacaccacc acaaaggaga agatcattct gcagaccatc aagtggagga	480
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gcaggactca gcaggagcag ccccgatcc tgagccggat ggaacccatc cccctaata	600
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			20				25						30		
Asp	Leu	Gly	Gly	Gly	Leu	Asp	Ser	Gly	Val	Gln	Ser	Asp	Gly	Val	Leu
		35					40					45			
Gln	His	Leu	Gln	Arg	Pro	Gly	His	Val	Lys	Leu	Gly	Thr	Ala		
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<212> PRT

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Phe	Lys	Ala	Ser	Ala	Arg	Val	Val	Met	Pro	Pro	Ile	Pro	Arg	His	Glu
			20					25					30		
Thr	Trp	Val	Val	Gly	Trp	Ile	Gln	Ala	Cys	Asn	Gln	Met	Glu	Phe	Phe
		35				40						45			
Asn	Thr	Tyr	Ser	Asp	Leu	Gly	Met	Ser	Ser	Trp	Glu	Leu	Pro	Asp	Leu
	50					55					60				
Arg	Glu	Gly	Arg	Val	Lys	Ala	Ile	Ser	Asp	Ser	Asp	Gly	Val	Ser	Tyr
65					70					75				80	

Pro Trp Tyr Gly Asn Thr Thr Glu Thr Val Thr Leu Val Gly Pro Thr
85 90 95

Asn Lys Ile Ser Arg Phe Ser Val Ser Met Asn Asp Asn Phe Tyr Pro
100 105 110

Ser Val Thr Trp Ala Val Pro Val Ser Asp Ser Asn Val Pro Leu Leu
115 120 125

Thr Arg Ile Lys Arg Asp Gln Ser Phe Thr Thr Trp Leu Val Ala Met
130 135 140

Asn Thr Thr Thr Lys Glu Lys Ile Ile Leu Gln Thr Ile Lys Trp Arg
145 150 155 160

Met Arg Val Asp Ile Glu Val Asp Pro Leu Gln Leu Leu Gly Gln Arg
165 170 175

Ala Arg Leu Val Gly Arg Thr Gln Gln Glu Gln Pro Arg Ile Leu Ser
180 185 190

Arg Met Glu Pro Ile Pro Pro Asn Ala Leu Val Lys Pro Asn Ala Gln
195 200 205

<210> 6

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<212> PRT

<213> HEMA1

<400> 6

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Pro Leu Tyr Leu Ser Phe Gly Arg Pro Glu Asn Lys Arg Ile Phe Pro
20 25 30

Phe Pro Ile Arg Glu Thr Ser Arg His Phe Ala Asp Leu Ala His Asn
35 40 45

Ser Asp Arg Asn Phe Leu Arg Asp Ser Ser Glu Val Ser Leu Thr Gly
50 55 60

Ser Asp Ala
65